

INTERNATIONAL SEARCH REPORT

CT/IB 07/02985

10/528940

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04B7/06

Rec'd 10/528940

23 MAR 2003

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04B H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 01 76110 A (QUALCOMM INC) 11 October 2001 (2001-10-11) abstract page 2, line 8 - line 22 page 3, line 6 - line 24 page 4, line 11 - line 14 page 5, line 3 - page 6, line 10 page 14, line 16 - page 15, line 15 page 16, line 10 - line 14 figure 1	1-13
Y	EP 1 207 645 A (LUCENT TECHNOLOGIES INC) 22 May 2002 (2002-05-22) abstract column 3, line 19 - line 39 column 5, line 18 - line 34 figure 1	1-13

-/--



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

13 November 2003

Date of mailing of the international search report

04/12/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Rabe, M

INTERNATIONAL SEARCH REPORT

CT/IB 03/03985

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 211 820 A (LUCENT TECHNOLOGIES INC) . 5 June 2002 (2002-06-05) abstract column 1, line 51 -column 2, line 13 column 2, line 50 -column 3, line 33 column 4, line 15 - line 37 -----	1-13
A	SANDHU S ET AL: "Near-optimal selection of transmit antennas for a MIMO channel based on shannon capacity" IEEE 2000, vol. 1, 29 October 2000 (2000-10-29), pages 567-571, XP010535430 paragraphs 1., 2. and 5. figure 1 -----	1-13

INTERNATIONAL SEARCH REPORT

CT/IB 03/03985

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0176110	A	11-10-2001	US 6473467 B1	29-10-2002
			AU 4592101 A	15-10-2001
			CA 2402152 A1	11-10-2001
			EP 1269665 A2	02-01-2003
			JP 2003530010 T	07-10-2003
			NO 20024634 A	20-11-2002
			TW 508922 B	01-11-2002
			WO 0176110 A2	11-10-2001
EP 1207645	A	22-05-2002	CA 2361886 A1	16-05-2002
			CN 1354610 A	19-06-2002
			EP 1207645 A1	22-05-2002
			JP 2002217752 A	02-08-2002
EP 1211820	A	05-06-2002	US 2002068611 A1	06-06-2002
			EP 1211820 A1	05-06-2002